

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/535,128A
Source: FWP
Date Processed by STIC: 8/14/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/535,128A</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa , and which residue n or Xaa represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 ____ Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWP

RAW SEQUENCE LISTING

DATE: 08/14/2006

PATENT APPLICATION: US/10/535,128A

TIME: 12:39:05

Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\08142006\J535128A.raw

3 <110> APPLICANT: Collins, et. al
 5 <120> TITLE OF INVENTION: CIS/Trans Riboregulators
 7 <130> FILE REFERENCE: 0079571-0094
 9 <140> CURRENT APPLICATION NUMBER: 10/535,128A
 10 <141> CURRENT FILING DATE: 2005-05-16
 12 <160> NUMBER OF SEQ ID NOS: 59
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 11
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Consensus sequence
 24 <400> SEQUENCE: 1
 25 gccgaccaug c
 28 <210> SEQ ID NO: 2
 29 <211> LENGTH: 18
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Artificial
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Consensus sequence
 36 <400> SEQUENCE: 2
 37 aggagggttt ttaccaug
 40 <210> SEQ ID NO: 3
 41 <211> LENGTH: 19
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Cis-Repressive
 48 <400> SEQUENCE: 3
 49 ggacgcactg accgaattc
 52 <210> SEQ ID NO: 4
 53 <211> LENGTH: 20
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Cis-Repressive
 60 <400> SEQUENCE: 4
 61 ctacctttct cctctttaat
 64 <210> SEQ ID NO: 5
 65 <211> LENGTH: 18
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial

pp 1-5
 Does Not Comply
 Corrected Diskette Needed

11

18

what is the source of genetic material?

19 (see
 item 11 on
 Error
 Summary
 sheet)
 20

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Input Set : A:\BU-0094.ST25.txt

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69 <220> FEATURE:
 70 <223> OTHER INFORMATION: Cis-Repressive
 72 <400> SEQUENCE: 5
 73 ttctctagtc ctccttat 18
 76 <210> SEQ ID NO: 6
 77 <211> LENGTH: 19
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Artificial
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Cis-Repressive
 84 <400> SEQUENCE: 6
 85 ctacctttct cctctagga 19
 88 <210> SEQ ID NO: 7
 89 <211> LENGTH: 19
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: Cis-Repressive
 96 <400> SEQUENCE: 7
 97 ctacctatct gctcttgaa 19
 100 <210> SEQ ID NO: 8
 101 <211> LENGTH: 19
 102 <212> TYPE: DNA
 103 <213> ORGANISM: Artificial
 105 <220> FEATURE:
 106 <223> OTHER INFORMATION: Cis-Repressive
 108 <400> SEQUENCE: 8
 109 ctaccattca cctcttgga 19
 112 <210> SEQ ID NO: 9
 113 <211> LENGTH: 16
 114 <212> TYPE: DNA
 115 <213> ORGANISM: Artificial
 117 <220> FEATURE:
 118 <223> OTHER INFORMATION: Cis-Repressive
 120 <400> SEQUENCE: 9
 121 ctaccattca cctgga 16
 124 <210> SEQ ID NO: 10
 125 <211> LENGTH: 7
 126 <212> TYPE: DNA
 127 <213> ORGANISM: Artificial
 129 <220> FEATURE:
 130 <223> OTHER INFORMATION: Cis-Repressive
 132 <400> SEQUENCE: 10
 133 tttgggt 7
 136 <210> SEQ ID NO: 11
 137 <211> LENGTH: 15
 138 <212> TYPE: DNA
 139 <213> ORGANISM: Artificial
 141 <220> FEATURE:

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Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\08142006\J535128A.raw

142 <223> OTHER INFORMATION: Cis-Repressive

144 <400> SEQUENCE: 11

145 attaaagagg agaaa 15

148 <210> SEQ ID NO: 12

149 <211> LENGTH: 42

150 <212> TYPE: DNA

151 <213> ORGANISM: Artificial

153 <220> FEATURE:

154 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs

156 <400> SEQUENCE: 12

157 ggagcactga ccgaattcat taaagaggag aaaggtacca tg 42

160 <210> SEQ ID NO: 13

161 <211> LENGTH: 51

162 <212> TYPE: DNA

163 <213> ORGANISM: Artificial

165 <220> FEATURE:

166 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs

168 <400> SEQUENCE: 13

169 ctacctttct cctctttaat tttgggtatt aaagaggaga aggtaccat g 51

172 <210> SEQ ID NO: 14

173 <211> LENGTH: 47

174 <212> TYPE: DNA

175 <213> ORGANISM: Artificial

177 <220> FEATURE:

178 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs

180 <400> SEQUENCE: 14

181 ctctagtcct ccttatatttg ggtattaaag aggagaaagg taccatg 47

184 <210> SEQ ID NO: 15

185 <211> LENGTH: 50

186 <212> TYPE: DNA

187 <213> ORGANISM: Artificial

189 <220> FEATURE:

190 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs

192 <400> SEQUENCE: 15

193 ctacctttct cctctaggat ttgggtatta aagaggagaa aggtaccatg 50

196 <210> SEQ ID NO: 16

197 <211> LENGTH: 50

198 <212> TYPE: DNA

199 <213> ORGANISM: Artificial

201 <220> FEATURE:

202 <223> OTHER INFORMATION: Nuclear Acid sequence

204 <400> SEQUENCE: 16

205 ctacctatct gctcttgaat ttgggtatta aagaggagaa aggtaccatg 50

208 <210> SEQ ID NO: 17

209 <211> LENGTH: 50

210 <212> TYPE: DNA

211 <213> ORGANISM: Artificial

213 <220> FEATURE:

214 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs

do you mean "nucleic acid?"

If so this is insufficient. Give source of genetic material.

RAW SEQUENCE LISTING

DATE: 08/14/2006

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TIME: 12:39:05

Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\08142006\J535128A.raw

216 <400> SEQUENCE: 17
 217 ctaccattca cctcttggat ttgggtatta aagaggagaa aggtaccatg 50
 220 <210> SEQ ID NO: 18
 221 <211> LENGTH: 50
 222 <212> TYPE: DNA
 223 <213> ORGANISM: Artificial
 225 <220> FEATURE:
 226 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs *give source*
 228 <400> SEQUENCE: 18
 229 ctaccattca cctcttggat ttgggtatta aagaggagaa aggtaccatg 50
 232 <210> SEQ ID NO: 19
 233 <211> LENGTH: 70
 234 <212> TYPE: DNA
 235 <213> ORGANISM: Artificial
 237 <220> FEATURE:
 238 <223> OTHER INFORMATION: Construct Sequence
 240 <400> SEQUENCE: 19
 241 acacccaaat taaagaggag aaaggtagtgt gtggttaatga aaaattaact tactactacc 60
 243 ttttcttaga 70
 246 <210> SEQ ID NO: 20
 247 <211> LENGTH: 62
 248 <212> TYPE: DNA
 249 <213> ORGANISM: Artificial
 251 <220> FEATURE:
 252 <223> OTHER INFORMATION: Construct Sequence
 254 <400> SEQUENCE: 20
 255 acgcccgaat aaggaggata gagtggtggt taatgaaaat taacttacta cttagtttta 60
 257 ga 62
 260 <210> SEQ ID NO: 21
 261 <211> LENGTH: 69
 262 <212> TYPE: DNA
 263 <213> ORGANISM: Artificial
 265 <220> FEATURE:
 266 <223> OTHER INFORMATION: Construct Sequence
 268 <400> SEQUENCE: 21
 269 acacccaaat cctagggaga atggtagtgg tgggtaataa aaattaactt actactactt 60
 271 tttcataga 69
 274 <210> SEQ ID NO: 22
 275 <211> LENGTH: 67
 276 <212> TYPE: DNA
 277 <213> ORGANISM: Artificial
 279 <220> FEATURE:
 280 <223> OTHER INFORMATION: Construct Sequence
 282 <400> SEQUENCE: 22
 283 acacccaaat tatgagcaga ttggtagtgg tgggtaataa aaattaactt actactactt 60
 285 tcttaga 67
 288 <210> SEQ ID NO: 23
 289 <211> LENGTH: 71
 290 <212> TYPE: DNA

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DATE: 08/14/2006

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TIME: 12:39:05

Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\08142006\J535128A.raw

291 <213> ORGANISM: Artificial
 293 <220> FEATURE:
 294 <223> OTHER INFORMATION: Construct Sequence *give some*
 296 <400> SEQUENCE: 23
 297 acccaaatcc aggaggtgat tggtagtggg ggtaaatgaa aattaactta ctactaccat 60
 299 atatctctag a 71
 302 <210> SEQ ID NO: 24
 303 <211> LENGTH: 71
 304 <212> TYPE: DNA
 305 <213> ORGANISM: Artificial
 307 <220> FEATURE:
 308 <223> OTHER INFORMATION: Construct Sequence
 310 <400> SEQUENCE: 24
 311 acccaaatcc aggaggtgaa tggtagtggg ggtaaatgaa aattaactta ctactaccat 60
 313 atatctctag a 71
 316 <210> SEQ ID NO: 25
 317 <211> LENGTH: 71
 318 <212> TYPE: DNA
 319 <213> ORGANISM: Artificial
 321 <220> FEATURE:
 322 <223> OTHER INFORMATION: Construct Sequence
 324 <400> SEQUENCE: 25
 325 acccaaatcc aagaggtgat tggtagtggg ggtaaatgaa aattaactta ctactaccat 60
 327 atatctctag a 71
 330 <210> SEQ ID NO: 26
 331 <211> LENGTH: 76
 332 <212> TYPE: DNA
 333 <213> ORGANISM: Artificial
 335 <220> FEATURE:
 336 <223> OTHER INFORMATION: Construct Sequence
 338 <400> SEQUENCE: 26
 339 acccaaatcc aaagaggtga atggtaagtg ggtgggtaat gaaaattaac ttactactac 60
 341 catatattct ctaaga 76
 344 <210> SEQ ID NO: 27
 345 <211> LENGTH: 71
 346 <212> TYPE: DNA
 347 <213> ORGANISM: Artificial
 349 <220> FEATURE:
 350 <223> OTHER INFORMATION: Construct Sequence
 352 <400> SEQUENCE: 27
 353 acccaaatcc aggaggtgat tggtagtggg ggtaaatgaa aattaactta ctaaaatcgg 60
 355 acatctctag a 71
 358 <210> SEQ ID NO: 28
 359 <211> LENGTH: 75
 360 <212> TYPE: DNA
 361 <213> ORGANISM: Artificial
 363 <220> FEATURE:
 364 <223> OTHER INFORMATION: Construct Sequence
 366 <400> SEQUENCE: 28

VERIFICATION SUMMARY

DATE: 08/14/2006

PATENT APPLICATION: US/10/535,128A

TIME: 12:39:07

Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\08142006\J535128A.raw